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COUNTRY Rumania

REPORT

SUBJECT

Rumanian Telecommunications

DATE DISTR.

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(Ministry; telephone & telegraph
networks; internatl connections;
teletype system; postal service;
television & radio transmission
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report containing information on the Rumanian national and
international civil telecommunications system, including telephone,
radio and postal services.

ENCLOSURE ATTACHED
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General Information

1. Organization:

(a) The civil telecommunications of Rumania belong to the P.T.T.R. (Post-Telegraph-Telephone) Ministry. This Ministry is located on Victoriei St., Bucharest.

(b) With the P.T.T.R. Ministry, there are the General Directorates of Post-Telegraph-Telephone-Radio. The last one is located on Popov St. (possibly at No. 7), and has jurisdiction over the radio and television stations.

There is no information concerning the directorates of these General Directorates.

(c) Towards meeting the telephone needs, the country is divided into the following six (6) regions:

- ORADEA
- BRASOV
- IASI
- TIMOSOARA
- SIBIU
- CONSTANTA

(d) In every town of Rumania, and in the centers of the villages, there exists a Post-Telegraph-Telephone office. In general, the communications service is considered to be good.

2. Training of Telecommunications Personnel:

(a) There is no information that there are any regular schools for telecommunications personnel.

The needs in personnel

are met through examinations taken by personnel who have graduated from the various electrology schools.

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The personnel hired in this way, are then given a special training.

- (b) The activities of the Clubs of the A.V.S.A.P. (Volunteer Organization for Athletism and for the Country's Defence) include also the training of radio operators.

The members who have received such training, are operating radio sets for amateurs, on the basis of a permit issued by the P.T.T.R. Ministry, and following an approval also of the Service of State Security (Securitate).

Wire Communications

3. Installations:

- (a) There exist separate networks of telegraph and telephone connection controlled respectively by the General Directorates of Post-Telegraph and Telephone. In some cases, the networks are following a parallel course; never, however, are they on the same poles.
- (b) The networks of most of the cities, are underground, while the networks of the long-distance connections consist of regular telephone wire. As an exception to the above, there are two underground cables, of an unknown circuit, station, which are running from Bucharest to Brasov and Iasi. The said underground cables run are follows:

- Bucharest-Ploesti-Campina-Cinaia-Predeal-Brasov
- Bucharest-Ploesti-Rusau-Foscani-Racau-Rouan-Iasi

- (c) Automatic and semi-automatic telephone Centers exist in cities

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- Bucharest - The main telephone Center is housed by a group of buildings located on the corner of Victoriei and Matei Millo Streets, and consisting of two adjoining concrete buildings (one of which is 25 X 25 meters in dimension, and has 10 stories, while the other is 36 X 20 meters in dimension, and has 5 stories), its capacity being for 40,000 connections, and having ^{OPERATION} ~~an~~ ^{control} order of the local and of the long-distance calls.

There are four more Centers, in addition to the above, i.e.:

- the Centrala Dacia, serving 20,000 lines.

- " " Nord " " "

- " " Est " 40,000 "

- The Special Center, serving the Government and the Military calls, that was set up in the Jianu sector of Bucharest, where the main Government Offices are, in 1949.

- Ploesti - serving up to 10,000 connections (lines).

- Constanta - " " " " "

- Iasi - " " " " "

- Arad - " " " " "

- Timisoara - " " " " "

- Brasov - " " " " "

- Oradea - " " " " "

- Sibiu - " " " " "

- Craiova - " " " 5,000 "

- Galati - " " " " "

- Braila - " " " " "

- Buzau - " " " " "

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- Bacau - serving up to 5,000 connections (lines)
- Foscani - " " " 2,000 " (semi-automatic).

4. Materials:

- (a) The materials of the telephone installations in the cities, are mainly of [] manufacture because of the changes effected 50X1-HUM in the entire telephone network of the country between 1930 and 1940, by installation of the [] type IT and T automatic 50X1-HUM electric machinery and of the type 7A1, 7A2 and 7B automatic telephones. Up to May 1951, the materials were being bought in [] except for a quantity of cables of bad quality that 50X1-HUM were being bought in the Soviet Union.
- A small quantity of telephone materials of the Siemens type, were imported during World War II.
- (b) Towards meeting the needs in telecommunications materials, there has been built in Bucharest the Electro-Magnetica factory, that is located on Rahovei Street, and that can manufacture all kinds of electrical equipment (magnetic and automatic telephone sets, switchboards, transmitters, etc), except for electric bolbs.
- (c) The local industry Sarmei, located in Campia Turda, manufactures wires for all uses, and covers the needs of the telephone communications in wires.

5. Exploitation:

(a) local calls

In order to have an automatic telephone installed, one must file an application. It is possible that an approval of the State 50X1-HUM Security [] **SECRET** [] the initial installation expenses []

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about 300 lei. The monthly subscription (fee) is 25 lei, the subscriber having the right to make as many telephone calls as he wants.

A 25-bani coin is used for calls made from a public telephone booth.

(b) Long-distance calls

One can make a long-distance call from an automatic telephone (provided that one has one), or from the telephone booths of the telephone "Palace" or of the Post Offices.

The fee (charge) depends on how far the person receiving the call is, on the degree of urgency and the duration of the call.

(c) Telegrams

i) In order to send a telegram, one is supplied with a relative form by the Post Office, that is filled out, and that is deposited for dispatch.

The fee depends on the distance, on the degree of urgency, and on the number of words.

With regards to degree of priority, the telegrams are classified as "ordinary", as "urgent", and as "most urgent".

ii) In order to serve the public, the telegraph offices will also accept long telegrams (in the form of a letter). The fee for these telegrams is small, inasmuch as they are being handled at an unspecified time.

Likewise, one can deposit a cable of wishes at any time, the telegraph service having the obligation to deliver it on a specified date and time.

(d) There is the following order of priority concerning long-distance

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calls:

- i) Communist Party
- ii) Soviets
- iii) Rumanian Military-Government Services
- iv) Private citizens

6. Overseas Lines:

There exist the following known wire circuits connecting Rumania with other countries:

<u>Connected Cities</u>	<u>Circuits</u>	<u>Comments</u>
	1	

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ii) Bulgaria

Bucharest-Ruse	1
Bucharest-Sofia	3
Ciurgiu-Ruse	<u>1</u>
	5

	1
	1

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v) Hungary

Arad-Budapest	1
Beregovo-Mateszalka	1
Bucharest-Budapest	1

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Cluj-Budapest	1
Oradeamare-Budapest	1
Satumare-Mateszalka	1
Timosoara-Budapest	<u>1</u>
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vii) Czechoslovakia

Bucharest-Prague	2
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ix) Yugoslavia

Bucharest-Beograd	1
Timosoara- "	<u>3</u>
	4

x) Soviet Union

Bucharest-Moscow	1
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In addition to the above, there are many other lines extending from the telephone Center at Iasi, Rumania, to those at Chisinau (Bessarabia) and Cernauti (Bucovina), Soviet Union, formerly Rumanian cities.

7.. Security - Vulnerableness:

- (a) The telephone installations are controlled by the Securitate, and are guarded well.

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- (b) In addition to the fact that all the employees in the main telephone center have been picked, on its first and second floor, where the switchboards are, there have been posted guards(enlisted men) armed with a rifle, in addition to the Security man posted there.
- (c) Communist women employees, who know foreign languages, listen in to the calls. They are in separate rooms, and they are being paid very well.
- (d) In Bucharest, as well as in the provinces, the telephone cables go through concrete pipes (40 inches long and 20 inches high) under the ground.
- The concrete pipes are connected with one another. The openings to the telephone network, have metal coverings that are marked "Sart".
- (c) The telephone Service has a special circuit for signaling an alarm. The circuit is used also for communicating information to all parts of the country, with regards to air raids, etc.

Wireless Communications

8. Installations:

- (a) [] wireless stations for 50X1-HUM communication purposes exist in Bucharest, in Constanta, in Timosoara and in Urziceni. The station in Constanta is used mostly for communication with ships.
- (b) The International Station Register [] shows that wireless 50X1-HUM stations are functioning in the following cities of Rumania, namely: Bucharest, Constanta, Galati, Braila, Georgevo, Moldova-

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Veche, and Toymul-Severine.

- (c) i) An unspecified number of horizontal, of perpendicular and of parabolic antennae exist on the roof of the telephone "Palace" in Bucharest.

One of the parabolic antennae, about one meter in diameter, is facing East; another one is at an approximate angle of 350° ; another one still is facing North-East.

- ii) Parabolic antennae also exist:

- On the radio and television "Palace" on Popov Street, i.e. one antenna in a direction of 350° , and another one in a North-Western direction.
- On the Ministry of Interior on Calea Victoriei Street, i.e. one antenna in a direction of 350° , and
- On the Scoteia "Palace", i.e. four netted antennae facing North-West, North-East, South-West and South-East.

There are also two parabolic antennae on the top of the crane of the railroad station at Lehlioy (70th kilometer of the Bucharest-Constanta railroad); they are on the same axle, but facing opposite directions, for receiving and re-transmitting the messages sent out by the Eastern antenna on the telephone "Palace" in Bucharest.

- iii) A definite conclusion, drawn from the above indications, is that wireless sets of the VHF and UHF types are in use in Rumania.

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- (e) [] there are also installations for radio-teletype. A similar installation was observed on the meteorology station of Banea~~sa~~, []

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9. Materials:

There is no information concerning the materials used in the wireless communications. The wireless stations that are built by the Electro-magnetica factory, are being used by the civil telecommunications services.

10. Exploitation:

No relative information is available.

11. Overseas Connections:

[redacted] there exists wireless connection with all 50X1-HUM the countries behind the Iron Curtain. It is probable that there might be similar connections with other countries as well.

Radio Stations12. Installations-Technical Information:

(a) There appear to be the following radio stations:

i) In Bucharest

- Radio station, operating on a frequency of [redacted], of long range, installed as follows:

Transmitter - located at the village Tincabesti (30 kilometers North of Bucharest).

Broadcasting rooms - possibly located on Popov Street, Bucharest.

- Radio station operating on a frequency of [redacted], of smaller range than the first, installed as follows:

transmitter - located at the Panaeasa Airport, North of the homonymous village (2 kilometers North of Bucharest, almost on the Bucharest-Ploesti public road).

Broadcasting rooms - located on Popov Street.

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ii) In Craiova

Radio station operating on a frequency of , of smaller range than that of the Bucharest radio stations.

Its transmitter is located East of the town Filiasi.

iii) In Timosoara

Radio station operating on a frequency of , of the same range with that of Tincabesti (Bucharest). Its transmitter is installed within the city.

iv) In Brasov

Radio station operating on a frequency of , of the same range as above.

Its transmitter is located in a place known as Bont, ten kilometers North of the city.

v) In Cluj

Radio station operating on a frequency of , of a rather small range.

Its transmitter is installed at the village Apahinta, twenty kilometers North-East of the city.

vi) In addition to the above, there are two more radio stations operating on a frequency of 1420 kc and 12 mc. The first of these is probably installed in Moldavia. The second is used for foreign broadcasts.

radio stations exist also 50X1-HUM in Constanta (It is probably the one serving the Merchant Marine), in Iasi (a local station), and in Targovl-Moures, that broadcasts in Rumanian, as well as in Hungarian.

(b) In their broadcasts, all the radio stations identify themselves as "Radio Bucharest".

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- (c) The transmitter installations of the radio stations are being guarded by the State Security.

Television

13. Installations - Technical Information:

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- (a) A television station has been installed in Bucharest.

Its antenna is installed on the roof of the "Home of the ~~Santa~~ Santaia".

[redacted] a television antenna (for re-transmission?), is to be installed on the ~~Omoul~~ top of the Carpathians (about 130 kilometers North-West of Bucharest).

- (b) The television receivers in use are of Soviet manufacture ("TEMP 2" type).

Post Services

14. General Information:

- (a) The following services are offered by the Post Services:

- i) Delivery of ordinary mail
- ii) " " registered "
- iii) " " parcels
- iv) " " newspapers
- v) " " telegrams
- vi) Money orders
- vii) Collection of radio subscription
- viii) Savings

- (b) [redacted] in 1951, [redacted] there was a total of 16,000 Post employees, 600 of whom were employed in the Central Post Office in Bucharest.

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15. Censorship

The Censorship Service, for censoring the correspondence to and from the Western countries, is operating in parallel with the Post Service, under the control of the Ministry of Interior. It is not excluded that this Service might be censoring the domestic mail as well. In Bucharest, this Service is housed in the Annex ~~SECURITY~~ of the Post Office in the Building of the Central Railroad Station. In charge of this Service is Major of the Securitate Ionel FAGOURE.

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